

LE 'HOME' ENTERED AT 19:55:49 ON 13 MAY 2005)

FILE 'CA' ENTERED AT 19:55:59 ON 13 MAY 2005

L1 1117 S CITRACONIC ANHYDRIDE  
L2 85745 S 1 AND ALDEHYDE?  
L3 25 S L1 AND ALDEHYDE  
L4 0 S CITRACONIC ADJ ALDEHYDE?  
L5 59 S CITRACONIC AND ALDEHYDE?  
L6 0 S FORMALDEHYDE AND CITRACONYL  
L7 45 S FORMALDEHYDE AND CITRACON?

FILE 'MEDLINE' ENTERED AT 20:20:27 ON 13 MAY 2005

FILE 'BIOSIS' ENTERED AT 20:20:31 ON 13 MAY 2005

L8 3 S FORMALDEHYDE AND CITRACON?

FILE 'MEDLINE' ENTERED AT 20:21:54 ON 13 MAY 2005

L9 4 S FORMALDEHYDE AND CITRACON?

FILE 'CA' ENTERED AT 20:23:03 ON 13 MAY 2005

L10 1 S DIMETHYMALEIC ANHYDRIDE  
L11 1 S DIMETHYMALEIC ANHYDRIDE  
L12 85634 S 1 AND ALDEHYDE  
L13 25 S L1 AND ALDEHYDE  
L14 0 S L11 AND ALDEHYDE  
L15 29 S 2-METHYLMALEIC ANHYDRIDE  
L16 1 S L15 AND ALDEHYDE

FILE 'MEDLINE' ENTERED AT 20:25:05 ON 13 MAY 2005

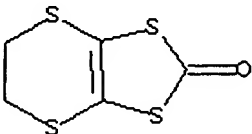
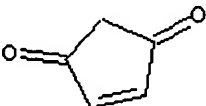
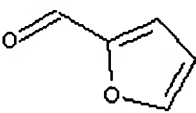

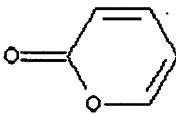
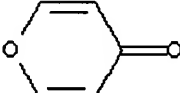
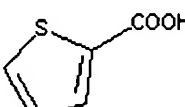
L17 3 S 2-METHYLMALEIC ANHYDRIDE

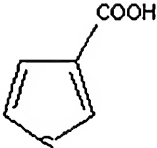
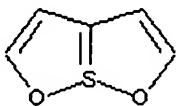
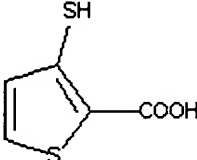
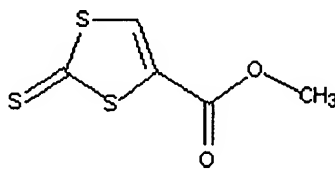
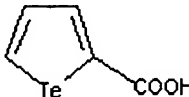
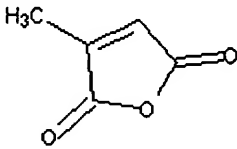
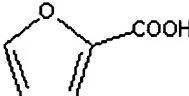
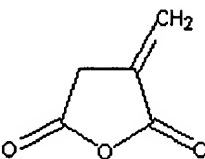
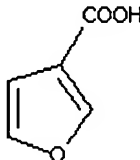
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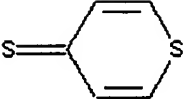
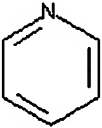
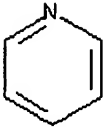
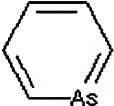
L18 3 S 2-METHYLMALEIC ANHYDRIDE  
L19 3 S 2-METHYLMALEIC ANHYDRIDE  
L20 0 S L19 AND ALDEHYDE

## Index by Molecular Formula

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$C_5H_4OS_4$ 208.34 g/mol 74962-29-1		9 LR 5,6-Dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-one; 2,5,7,9-Tetrathiabicyclo(4.3.0)non-1(6)-en-8-one	III/35d3 2.2. p.19.1
$C_5H_4O_2$ 96.08 g/mol 930-60-9		9 LR 4-cyclopentene-1,3-dione	II/14a 2.5.2:596 II/14a 2.6.3.2:294
$C_5H_4O_2$ 96.08 g/mol 98-01-1		9 LR furfural; 2-furancarboxaldehyde; furfuraldehyde; furan-2-carboxaldehyde; furan-2-aldehyde; 2-furfuraldehyde; 2-furaldehyde; Furan-2-carbaldehyde	II/4 2.5:171a II/4 2.6:200a II/6 2.5:250 II/6 2.8:46 III/35d3 2.2. p.19.2 III/35e 2.2.1:183 III/35e 2.2.2:2221 III/38b 2.1:2167 IV/6 2.1.3:445 IV/8a 3.5.2. p.94 IV/16 2.1.7:734 IV/18b 2.1:1453 IV/20b 2.2:662  Mixtures: III/38a 3.1:575 IV/16 3.1.3:90 IV/18a 3.1.3:1210, 1564, 1913
$C_5H_4O_2$ 96.08 g/mol 498-60-2		9 LR Furan-3-carbaldehyde; furan-3-aldehyde	II/24b 2.5.2:422 III/35e 2.2.1:184
$C_5H_4O_2$ 96.08 g/mol 504-31-4		9 LR 2H-pyran-2-one; pyran-2-one; α-Pyron; 2-Pyron	II/14a 2.5.2:647 II/14a 2.9.3.2:52 III/35e 2.2.1:185 III/38b 2.1:2168
$C_5H_4O_2$ 96.08 g/mol 108-97-4		9 LR 4H-Pyran-4-one; Pyran-4-one; γ-Pyron; 4-Pyron	II/14a 2.5.2:646 II/14a 2.9.3.2:53 II/19b 2.5.2:479 II/19c 2.6.4.2:204 II/24b 2.5.2:423 III/35e 2.2.1:186
$C_5H_4O_2S$ 128.15 g/mol 527-72-0		9 LR 2-thiophene carboxylic acid; α-thiophenecarboxylic acid; 2-thiophenic acid; 2-thiophenecarboxylic acid; 2-thenoic acid; 2-carboxythiophene; Thiophene-2-carboxylic acid	III/35c2 2.2:42 p.10 IV/20a 3.2:303 IV/20b 2.2:663

C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> S 128.15 g/mol 88-13-1		67 B	Thiophene-3-carboxylic acid; 3-Thiophenecarboxylic acid	<a href="#">III/35e 2.2.1:187</a>
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> S 128.15 g/mol 40159-76-0		67 B	1,6-dioxo-6a-thiapentalene	<a href="#">II/14a 2.5.2:673</a> <a href="#">II/14a 2.6.3.2:337</a>
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> S <sub>2</sub> 160.21 g/mol		67 B	3-Mercapto-thiophene-2-carboxylic acid	<a href="#">III/35c2 2.2:43</a> p.10
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> S <sub>3</sub> 192.28 g/mol 55526-01-7		67 B	2-Thioxo-[1,3]dithiole-4-carboxylic acid methyl ester; 2-thioxo-(1,3)dithiole-4-carboxylic acid methyl ester	<a href="#">III/35d3 2.2.</a> p.19.3
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> Te 223.68 g/mol		67 B		<a href="#">III/35c4 2.4:3332</a> p.68
C <sub>5</sub> H <sub>4</sub> O <sub>3</sub> 112.08 g/mol 616-02-4		67 B	methyl-maleic acid anhydride; 3-methyl-furan-2,5-dione; Citraconic anhydride	<a href="#">III/38b 2.1:2169</a> <a href="#">IV/18b 2.1:1454</a> <a href="#">IV/20b 2.2:664</a>
C <sub>5</sub> H <sub>4</sub> O <sub>3</sub> 112.08 g/mol 88-14-2		67 B	Furancarboxylic acid; Furan-2-carboxylic acid; 2-Furancarboxylic acid	<a href="#">III/35c2 2.2:44</a> p.10 <a href="#">IV/20b 2.2:665</a>
C <sub>5</sub> H <sub>4</sub> O <sub>3</sub> 112.08 g/mol		67 B	3-Methylene-dihydro-furan-2,5-dione	<a href="#">III/35e 2.2.1:188</a>
C <sub>5</sub> H <sub>4</sub> O <sub>3</sub> 112.08 g/mol 488-93-7		67 B	Furan-3-carboxylic acid; 3-Furancarboxylic acid	<a href="#">III/35c2 2.2:45</a> p.10
C <sub>5</sub> H <sub>4</sub> S <sub>2</sub> 128.22 g/mol			4H-thiopyran-4-thione	<a href="#">II/14a 2.5.2:648</a> <a href="#">II/14a 2.6.3.2:319</a> <a href="#">II/19b 2.5.2:480</a> <a href="#">II/19c 2.6.4.2:205</a>

1120-94-1		67 0		
$C_5H_5ArN$ 119.05 g/mol	Ar 	67 9	argon-pyridine (1/1)	<a href="#">II/19b 2.5.2:481</a> <a href="#">II/19c 2.7.4.2:170</a> <a href="#">II/24b 2.5.2:424</a>
$C_5H_5Ar_2N$ 159.00 g/mol	 Ar Ar	67 9	Pyridine - Argon (1/2); Pyridine - Argon 1/2	<a href="#">II/24b 2.5.2:425</a>
$C_5H_5As$ 140.02 g/mol 289-31-6	 As	67 9	arsabenzene	<a href="#">II/14a 2.5.2:750</a> <a href="#">II/14a 2.6.3.2:360</a> <a href="#">II/14a 2.7.3.2:146</a>

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	methyl-maleic and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:46
L2	65	Furan-3-carboxylic and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:48
L3	0	4H-thiopyran-4thione and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:48
L4	0	3-mercapto-thiophene-2-carboxylic and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:49
L5	0	6-dioxo-6a-thiapentalene and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:49
L6	169	thiophene-3-carboxylic and aldehyde	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/13 20:50

(FILE 'HOME' ENTERED AT 20:54:33 ON 13 MAY 2005)

FILE 'MEDLINE' ENTERED AT 20:54:49 ON 13 MAY 2005

FILE 'CA' ENTERED AT 20:54:54 ON 13 MAY 2005

L1	0 S 4H-THIOPYRAN-4THIONE AND ALDEHYDE
L2	6 S METHYL-MALEIC AND ALDEHYDE
L3	0 S 3-MERCAPTO-THIOPHENE-2-CARBOXYLIC AND ALDEHYDE
L4	0 S 3-MERCAPTO-THIOPHENE-2-CARBOXYLIC? AND ALDEHYDE
L5	0 S 6-DIXA-6ATHIAPENTALENE AND ALDEHYDE
L6	0 S 6-DIOXA-6ATHIAPENTALENE AND ALDEHYDE
L7	6 S FURAN-3-CARBOXYLIC AND ALDEHYDE
L8	0 S FURANCARBONYLIC AND ALDEHYDE
L9	1 S ARSABENZENE AND ALDEHYDE

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A' ENTERED AT 20:54:54 ON 13 MAY 2005

L1	0	S	4H-THIOPYRAN-4THIONE AND ALDEHYDE
L2	6	S	METHYL-MALEIC AND ALDEHYDE
L3	0	S	3-MERCAPTO-THIOPHENE-2-CARBOXYLIC AND ALDEHYDE
L4	0	S	3-MERCAPTO-THIOPHENE-2-CARBOXYLIC? AND ALDEHYDE
L5	0	S	6-DIXA-6ATHIAPENTALENE AND ALDEHYDE
L6	0	S	6-DIOXA-6ATHIAPENTALENE AND ALDEHYDE
L7	6	S	FURAN-3-CARBOXYLIC AND ALDEHYDE
L8	0	S	FURANCARBONYLIC AND ALDEHYDE
L9	1	S	ARSABENZENE AND ALDEHYDE
		E	"EC 4.1.2-"/BI,RN 25
L10	151	S	E19
L11	82307	S	E2
L12	840	S	L11 AND ALDEHYDE
L13	16	S	L12 AND REVERSE
L14	20	S	E38
L15	0	S	L14 AND ALDEHYDE

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